



# ***CS-2016FM The Informer II™***

## ***2-Way FM Paging Alarm & Remote Engine Starting System***

### **OPERATION INSTRUCTIONS**

#### **INTRODUCTION**

*CONGRATULATIONS* on your choice of the Informer II™ by Crimestopper Security Products Inc. This booklet contains the information necessary for operating your system. If any questions arise, contact your installation dealer or Crimestopper Security Products Inc.

***\*IMPORTANT INFORMATION: Primary and Optional Features***

**-PRIMARY:** These are features that must be connected in order for the system to operate properly i.e. Power, Ground, LED, etc.

**-OPTIONAL:** Optional features are connected only if desired or agreed upon by the installing dealer i.e. Horn Honk, Dome light illumination, Door Locks, Trunk Pop, etc. These features may require additional parts and labor charges. Consult with your installer about these features **BEFORE** installation!

**CONTACT INFORMATION:**

**TECHNICAL SUPPORT (800)-998-6880**  
**Monday - Friday 8:00am - 4:30pm Pacific**

**Website: [www.crimestopper.com](http://www.crimestopper.com)**  
**E-mail: [tech-support@crimestopper.com](mailto:tech-support@crimestopper.com)**

**CRIMESTOPPER**  
**SECURITY PRODUCTS, INC.**  
**1770 S. TAPO STREET**  
**SIMI VALLEY, CA. 93063    REV. B 09.2004**

This device complies with FCC Rules part 15. Operation is subject to the following two conditions: 1) This device may not cause interference, and (2) this device must accept any interference that may be received, including interference that may cause undesired operation. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.

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## OPERATION CAUTIONS & WARNINGS

**CRIMESTOPPER SECURITY PRODUCTS, INC.** and its **VENDORS** shall not be liable for any accident resulting from the use of this equipment. This system is designed to be professionally installed into a car or vehicle in good running order. Items, such as parking brake, door switches, and all engine safety features, must be in perfect working condition.

**DAMAGE** resulting from misuse or negligence is **NOT** covered under warranty and will be subject to repair and / or replacement charges.

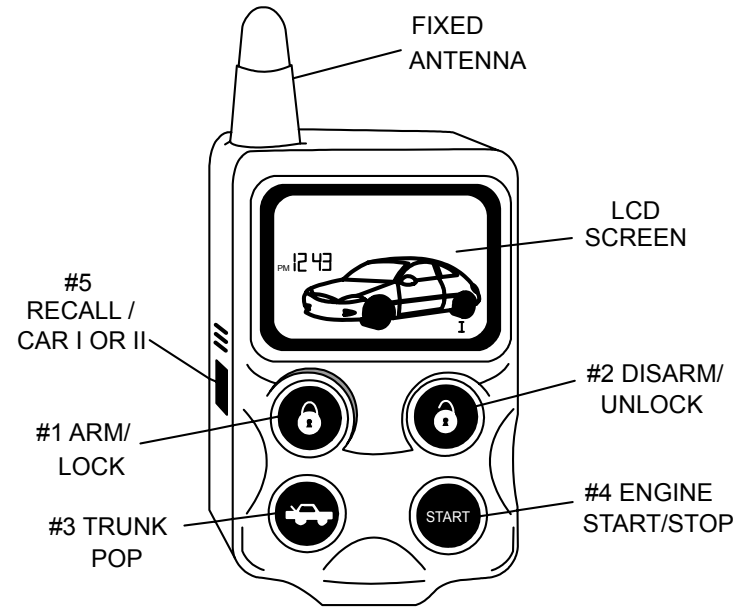
**IT IS ABSOLUTELY THE OWNER'S SOLE RESPONSIBILITY TO:** A) Understand the operation of this system and its safety features. B) Check for proper operation of these safety features prior to accepting delivery of the vehicle from the installation facility. C) Check and maintain the condition of the vehicle and all items relative to the proper operation of this system and its safety features.

**DO NOT remote start the vehicle in a closed garage.** Make sure that the vehicle is outdoors, a garage door is open, or there is adequate exhaust ventilation. Failure to observe this rule could result in **injury or death** from poisonous Carbon Monoxide fumes. This is especially important when using the Timed Self-Start feature of the unit

# TRANSCIVER / PAGER-REMOTE

## PAGER / REMOTE TRANSCIVER:

The hand-held remote transceiver is used to send and receive information from the vehicle. The Control Module transmits High Frequency FM signals from the vehicle to your over long distances. Your range will vary depending on location, terrain, and local RF noise/interference. This system is not guaranteed to page you if you are behind concrete walls, underground, in a large structure, or in an area with high levels of electronic interference. Handle the pager/remote with care if the LCD display and/or the electronics may be damaged if subjected to abuse. The AAA Cell 1.5V alkaline battery can easily be replaced by sliding open the battery access door on the back of the remote. Battery life will vary depending on usage. The LCD screen will display a low battery icon when the battery is low. For more on range, see "Range Questions" on page 15.



## ACTIVE 2-ZONE LCD DISPLAY:

The unique LCD screen includes both a Dot Matrix animated display and a vehicle icon. It is designed to show you both Icon-based information and animated messages in real time as it is happening. When the alarm is disarmed or armed with no activity to report, then dot matrix portion of the screen will remain BLANK.

### **BUTTON 1(Lock Symbol):**

- Press and release to Arm/Lock system.
- Press and Hold for more than 3 seconds to activate "Panic" feature.

### **BUTTON 2 (Unlock Symbol):**

- Press and release to Disarm/Unlock system, or reset a cycle.

### **BUTTON 3 (Trunk Symbol):**

- Press and Release to activate trunk pop (Auxiliary output #1) Optional Feature.
- Press and Hold to activate a second optional feature (Auxiliary output #2).

### **BUTTON 4 (Key):**

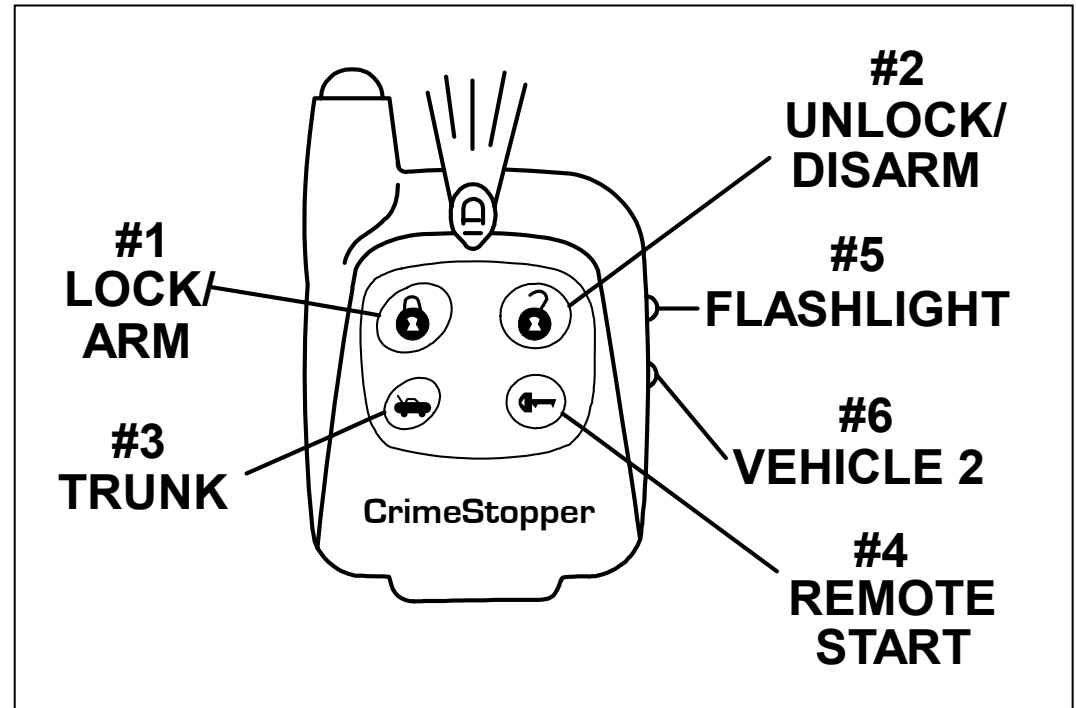
- Press and release to Start/Stop engine.

### **BUTTON 5 (On side of remote):**

- Press and Release to Recall the last message from the LCD screen
- Press and Hold for 3 seconds to change from Car 1 to Car 2 (Only for use with 2-car operation).
- Press 5 times to Disable/Enable audible beep tones from the remote. (Remote will vibrate twice to confirm silent mode)

## CS-397TW SIDEKICK REMOTE

The CS-397TW 1-Way sidekick remote adds flexibility to your CS-2016FM. You can have the convenience of operating your system without needing to carry the larger pager remote. The Sidekick remote has less range and offers all of the same operation features except for page-back confirmation. See diagram below for Sidekick 1-Way remote operation.



### ***BUTTON 1 (Lock Symbol):***

- Press and release to Arm/Lock system.
- Press and Hold for more than 3 seconds to activate "Panic" feature.

### ***BUTTON 2 (Unlock Symbol):***

- Press and release to Disarm/Unlock system, or reset a cycle.

### ***BUTTON 3 (Trunk Symbol):***

- Press and Release to activate trunk pop (Auxiliary output #1) Optional Feature.
- Press and Hold to activate a second optional feature (Auxiliary output #2).

### ***BUTTON 4 (Key):***

- Press and release to Start/Stop engine.

### ***BUTTON 5 (Upper side button of remote):***

- Press for convenient flashlight function. The high-power LED acts as a mini flashlight.

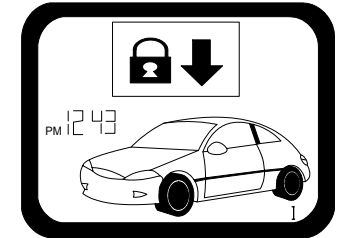
### ***BUTTON 6 (Lower side button of remote):***

- Press and release to activate Vehicle #2 mode. (Led with flash for 4 second to use vehicle #2, otherwise remote will revert back to Vehicle #1)

# OPERATING INSTRUCTIONS - ALARM

## Active Arming / Locking:

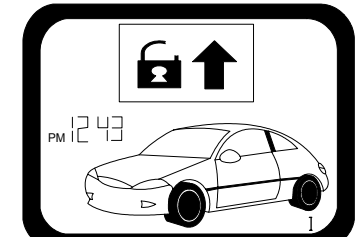
Press button #1 (Lock symbol) on the transceiver. The System will arm emit one siren chirp, one light flash, and the LED will begin to flash. Power locks will lock (if equipped). Starter disable circuit will turn on. LCD Pager will beep once while displaying a Down Arrow and a Lock symbol followed by the CSP logo. After a short delay to allow the vehicle and electronics to settle, the system will be completely armed.



**ARM/LOCK**

## Disarming: / Unlocking

Press button #2 (Unlock symbol) on the transceiver. System will disarm and confirm with two siren chirps, two light flashes, and the LED will turn off. Power locks will Unlock and Interior Dome light will turn on (if installed with these optional features). LCD Pager will beep twice while displaying an Up Arrow and an Unlock symbol followed by the CSP logo.



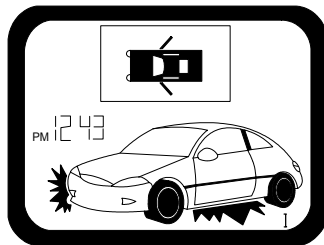
**DISARM/UNLOCK**

## Alarm Triggers:

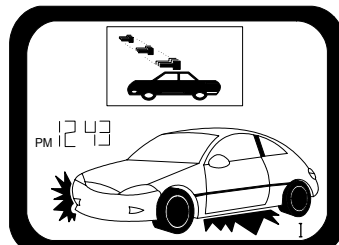
If there is an intrusion into the vehicle, a hard impact to the body, or the ignition is turned on the alarm will sound and flash the lights for 1 minute. After 1 minute, the trigger cycle will automatically stop and alarm will remain armed to continue protecting the vehicle. If a door is left open after an intrusion then the unit will cycle a maximum of 5 minutes and continue to protect the other un-tampered or unopened zones.

## LCD Remote Paging / Zone Violations:

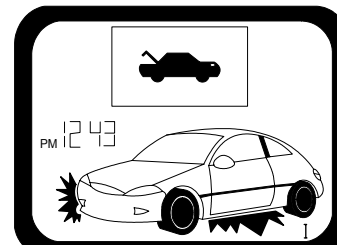
When the system is triggered, the alarm sends a paging signal to the remote. If you are within range, you will receive a violation paging signal which consists of a vibration followed by 15 audible beeps to notify you the vehicle has been tampered with.



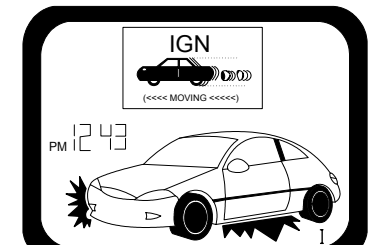
**DOOR TRIGGER**



**SHOCK TRIGGER**



**HOOD/TRUNK TRIGGER**



**IGNITION TRIGGER**

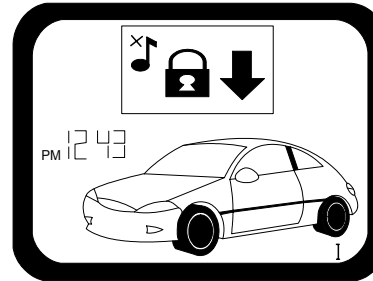
# OPERATING INSTRUCTIONS - ALARM

## Disarming While Tripped (Triggered):

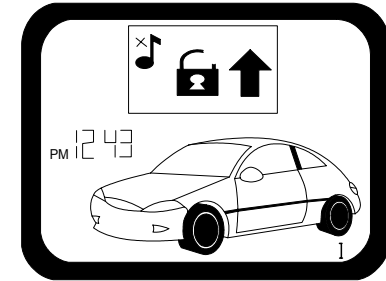
Disarming the System while it is triggering requires TWO presses of the #2 Unlock Button. The first press of Button #2 Resets the alarm cycle only (system still armed) while a second press will disarm/unlock the system.

## Selective Silent Arming/Disarming:

To Arm or Disarm the system without siren chirps, press and release both Buttons #2 (Unlock) and #4 (Start) at the same time. System will Arm or Disarm without siren chirps. Flashing lights and LED will be the only indicators of Arm/Disarm status. The LCD will Display a musical note with an "X" when the system is armed or disarmed without a chirp.



**SILENT ARM**



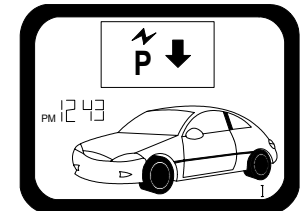
**SILENT DISARM**

## Prior intrusion Alert

This system will notify you if the alarm was tripped while you were away. Upon disarming, the two normal disarm chirps will be heard then the system will emit 4 additional siren chirps. Check your vehicle for any signs of a break in or tampering. Also see LED Diagnostics Section to determine the cause of the trigger.

## Remote Panic Protection

To sound the alarm in an emergency situation or to draw attention to your vehicle, press and hold Button #1 (Lock) for at least 3 seconds until the siren sounds. Press Button #2 (Unlock) to reset panic mode. The LCD pager/remote will display a "P" and emit 15 beeps when the panic mode is triggered.



**PANIC MODE**

## Selective Shock Sensor Disable

To arm the alarm and bypass shock sensor protection, press Button #1 as normal then press and release Button #1 and #2 together within 2 seconds. You will hear 3 extra siren chirps indicating shock sensor bypass for this arming cycle only. This feature can be used when parking near railroad tracks, airports, or area with excessive loud machinery or noise to prevent the nuisance of unnecessary false alarms.

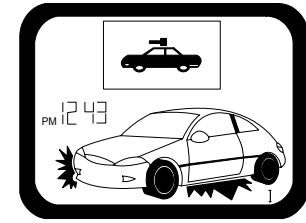
## Open Door Alert / Bypass

Upon arming, this system will warn you if a door is left open. The LCD pager will vibrate and beep (15X's) along with displaying the open zone on your LCD screen. This zone will automatically be bypassed until closed, otherwise the alarm will continue to protect all other zones.

# OPERATING INSTRUCTIONS - ALARM

## Pre-Warning Shock Protection

The Pre-warning (warn-away) feature will activate when a low-level shock or vibration detected by the system's shock sensor. The alarm will chirp the siren 5 times and flash the lights once to help deter any further tampering with the vehicle. The pager/remote will vibrate twice and beep (15X's).



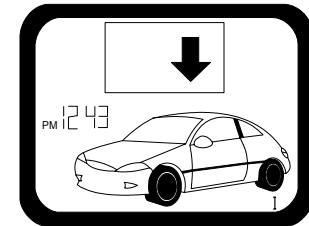
**PRE-WARN**

## Passive Arming Mode: (Programmable)

Passive (automatic) arming occurs 30 seconds after the ignition is turned off and the last door is closed. Upon closing the last door, the unit will flash the lights twice and LED will be flashing rapidly to confirm passive countdown. If a door is reopened within the 30 second period, the countdown stop and begin again when the door is closed. Passive arming provides failsafe protection in case you forget to arm the system.

## Passive Locking: (Programmable)

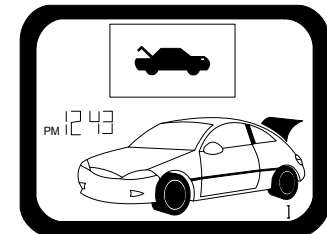
The CS2016FM system can be programmed to passively lock the doors when the system passively arms. The default setting is OFF because passive locking increases the risk of locking the keys in the vehicle. When the system arms/locks passively, without you pressing the remote, the LCD pager will still provide a confirmation signal. The LCD screen will have an arrow only without a lock symbol.



**PASSIVE LOCK/ARM**

## Trunk/Hatch Pop (Optional, Remote AUX. Output 1)

This feature is designed to interface with existing Factory power trunk or power hatch release systems and may require additional parts and/or labor charges. Press and release Button #3 (Trunk) on the transmitter to pop/open the trunk/hatch. If the system is armed, it will also disarm when the button #3 is pressed. The LCD pager/remote will confirm with 3 beeps and the trunk icon on the screen.



**TRUNK POP**

## Remote AUX. Output 2 (Optional, Requires special programming)

This system contains a second auxiliary output to activate other accessories or devices. To activate the systems' Second Auxiliary Output, press and HOLD Button #3 (Trunk Symbol) on the transmitter for more than 2 seconds. This is a momentary output that will stay active as long as the remote button is held down. There is no LCD/pager confirmation for Aux. 2 output.

## Dome Light Illumination (Optional)

This feature will turn on the vehicle's dome light upon disarming for 30 seconds or until the key is inserted and turned on. This will provide illuminated entry to your vehicle in dimly lit areas for safety and security.

# OPERATING INSTRUCTIONS - ALARM

## Emergency Override (Disarm)

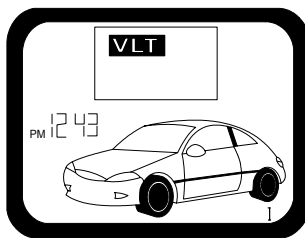
If you have lost the transmitter or it stops working for any reason and the Alarm is armed, you will have to disarm the system manually. Open the door with the key [alarm will sound], turn the ignition on, and press the override/program button for about 5 seconds. The Alarm will disarm and allow you to use the vehicle until you can repair/replace the remote. Valet mode also prevents Passive Arming.

## Valet Mode (Enter manually or using the remote)

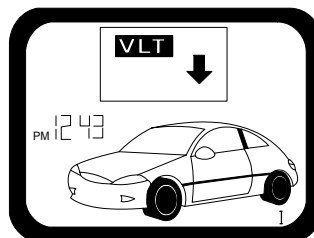
To disable Alarm and Remote Engine Starting for vehicle servicing or otherwise, turn the ignition on and press the override/program button [about 5-7 seconds] until you hear (3) siren chirps and the LED turns on solid. Repeat the process to exit VALET mode. To enter / exit valet via the remote, press and hold both buttons #1 (Lock) and Button #2 (unlock) together for about 3 seconds until 3 chirps are heard. Repeat this step to exit via the remote transmitter. Lock/Unlock and AUX features will still operate in when in VALET mode however remote start and alarm functions are inhibited.

## Valet Park Mode (Using the remote transmitter only)

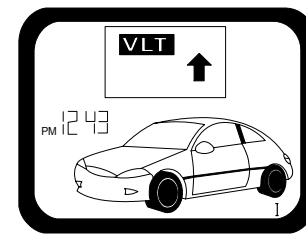
Note: Valet Park mode is only accessible when using the remote transmitter. Valet park mode allows you to turn over the vehicle to a valet allowing access to drive/lock/unlock your vehicle, but alarm will trigger if the trunk is opened. To activate Valet Park, press and hold both buttons #1 (Lock) and Button #2 (unlock) together for about 6 seconds. 3 chirps will be heard first when unit goes into regular Valet and as you continue to hold both buttons you will hear 2 more chirps. LED will always flash slowly when in Valet Park even when the Ignition is turned on (or driving vehicle). Repeat step above to exit Valet Park mode.



VALET MODE



VALET LOCK



VALET UNLOCK

## Optional M.A.P. (Mobile Accessories Protection)

This system can be programmed to provide Crimestopper's unique M.A.P. (Mobile Accessories Protection) feature that allows you to prevent unauthorized access of your vehicles Audio, Cellular, Navigation, or Entertainment systems. This feature is OPTIONAL and requires extra parts and labor for installation. Consult your installation dealer about MAP before or during installation. The CS2016FM must be programmed for MAP operation. When the system is put into Valet Park mode, M.A.P. will prevent stereo, entertainment, navigation, or cellular system from being used.

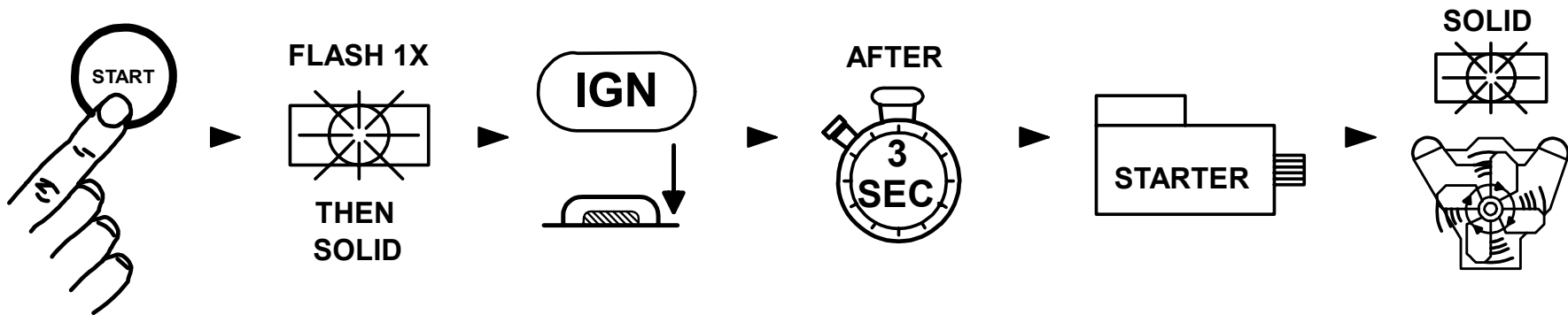


# REMOTE ENGINE CONTROL

## REMOTE ENGINE STARTING - SUCCESSFUL START

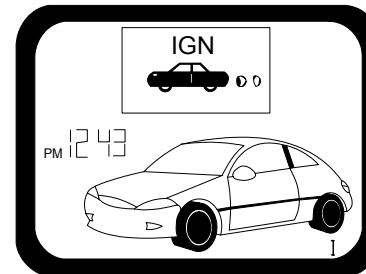
- 1) Press remote start button on the remote transmitter. System will chirp 3 times for audible confirmation. (Chirps can be programmed on or off-See installation manual.)
- 2) Parking lights flash once, then turn on solid, Ignition/Accessory circuits turn on.
- 3) After a few seconds, Starter Motor engages, Parking lights and Accessory circuits turn off while cranking.
- 4) Engine Starts and Runs. Parking Lights and Accessory turn back on, Doors Lock.
- 5) Engine will remain running for programmed run time until reset with Brake pedal. If needed, the engine can be turned off with remote transmitter.

## REMOTE ENGINE STARTING - SUCCESSFUL START DIAGRAM:

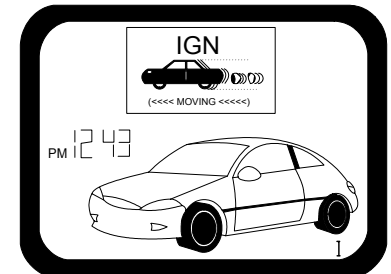


## REMOTE ENGINE STARTING – LCD PAGER-REMOTE:

When requesting a remote start the LCD pager remote will confirm with an Ignition Icon along with 4 beeps. Once the vehicle has successfully started the remote will confirm back with 2 vibrations, a moving vehicle Icon, and 4 beeps.



**CONFIRM REMOTE  
START REQUEST**



**SUCCESSFUL START**

# REMOTE ENGINE CONTROL

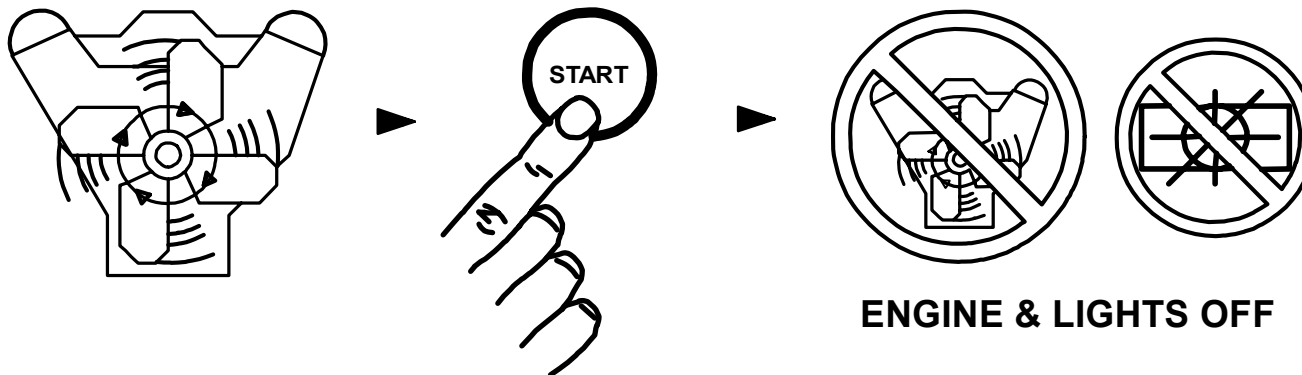
## UNSUCCESSFUL REMOTE START

In the event that the engine does not start on the first attempt, the system shuts down for a few seconds, then attempts to restart the engine a 2<sup>nd</sup> and 3<sup>rd</sup> time. For hard starting engines, the unit will allow a starter crank time of up to 13 seconds maximum. This should provide ample cranking time for difficult starts, but is limited to 13 seconds to help prevent damage to the starter from over cranking.

- 1) If engine starts on 2<sup>nd</sup> or 3<sup>rd</sup> attempt, see steps 4 & 5 (on last page) under "Successful Start".
- 2) If Third attempt fails to start engine, the system will turn off and doors will remain locked. *NO FURTHER ATTEMPTS WILL BE MADE AUTOMATICALLY UNLESS YOU PRESS THE REMOTE START BUTTON AGAIN.*

## TURNING OFF YOUR REMOTE STARTED ENGINE (VIA REMOTE CONTROL):

- 1) Engine is running in Remote Start (Parking lights ON).
- 2) Press Remote Start button on remote transmitter.
- 3) Engine & parking lights turn OFF, Doors remain locked or will re-lock if applicable.



## ENTERING YOUR REMOTE STARTED VEHICLE:

- 1) With engine running, Remote Unlock/Disarm system (If armed) or open door with key.
- 2) Enter vehicle and be careful not to step on brake pedal! (Remote Start Reset)
- 3) Turn Ignition to ON/RUN position, then press brake pedal to reset the Remote Starter & Shift out of park.
- 4) Remote starter will reset instantly when the brake is pressed. Parking lights will turn off and the ignition key is now controlling your vehicle.

# REMOTE ENGINE CONTROL

## **IDLE DOWN MODE (TAKE-OVER OPERATION)**

This mode allows the unit to take over operation of your idling, parked vehicle while the ignition key is removed and you exit the vehicle. The vehicle is put into a remote running condition before you exit and it will remain running for the programmed run time, until you return, or until the remote start button is pressed.

Example:

*You pull up to a convenience store for a quick stop, "Idle Down" mode keeps engine running when you exit the vehicle, (with keys in hand) remote lock/arm alarm. When you return, unlock/disarm alarm, turn ignition ON and drive away. This mode can also be used on Turbo vehicles that need idle for cool-down.*

## **IDLE DOWN MODE - EXITING THE VEHICLE:**

- 1) With engine running, press Remote Start button on remote transmitter. Siren will chirp 3 times for confirmation.
- 2) Parking Lights will turn ON.
- 3) Doors will unlock, or if brake pedal is being depressed then doors will unlock when it is released.
- 4) Turn OFF Ignition and remove key. Engine should remain running.
- 5) Exit vehicle then remote lock doors if desired.
- 6) Engine will remain running for programmed run time, until you return, or press the remote start button.

## **INFINITY RUN MODE**

This mode allows the vehicle's engine to remain running *INDEFINITELY*. This mode can be beneficial to law enforcement vehicles or commercial vehicles that need to remain running unattended for long periods of time.

## **INFINITY RUN MODE – EXITING THE VEHICLE:**

- 1) Follow steps for "IDLE DOWN MODE - EXITING THE VEHICLE" (above), except press the remote start button a second time within 10 seconds at STEP #1.
- 2) Parking Lights will start flashing instead of coming on solid, and doors will unlock.
- 3) Turn Ignition switch OFF, remove key and exit the vehicle. Engine should remain running.
- 4) The vehicle's parking lights will flash for the programmed run time of 12, 24, or 36, or 48 minutes and then switch to solid while motor runs indefinitely or until fuel supply runs out.

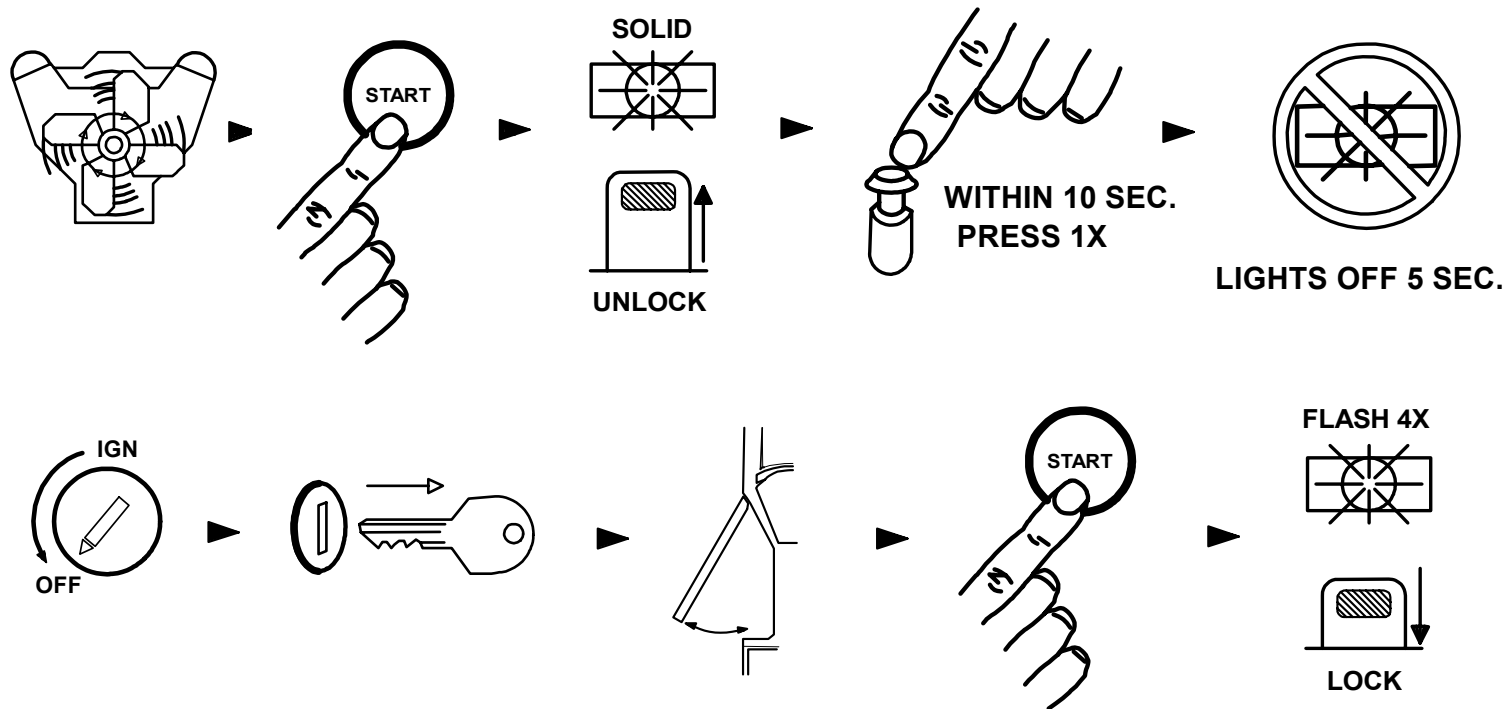
# REMOTE ENGINE CONTROL

## TIMED SELF START MODE

This mode allows the vehicle to be programmed to self-start every 4 hours and run for the programmed run time. This can be helpful during extremely cold conditions where engine or fluid freeze-up is a concern. **!!THE VEHICLE MUST BE OUTDOORS OR IN A WELL VENILATED AREA!!**

### TIMED SELF-START MODE – EXITING THE VEHICLE:

- 1) Have engine running with the Key, then press the Start button on the transmitter.
- 2) Within 10 seconds press the valet/program button once.
- 3) Parking Lights will turn OFF for about 5 seconds, and doors will unlock.
- 4) Turn Ignition switch OFF, remove key and exit the vehicle. Engine should remain running.
- 5) Press the remote start button again to turn off the engine. The parking lights will flash 4 TIMES as a confirmation that the unit is in Timed Self-Start Mode.
- 6) The Vehicle will Start by itself every 4 hours, or until driven with key or started via remote control.



## RESETTING TIMED SELF START MODE

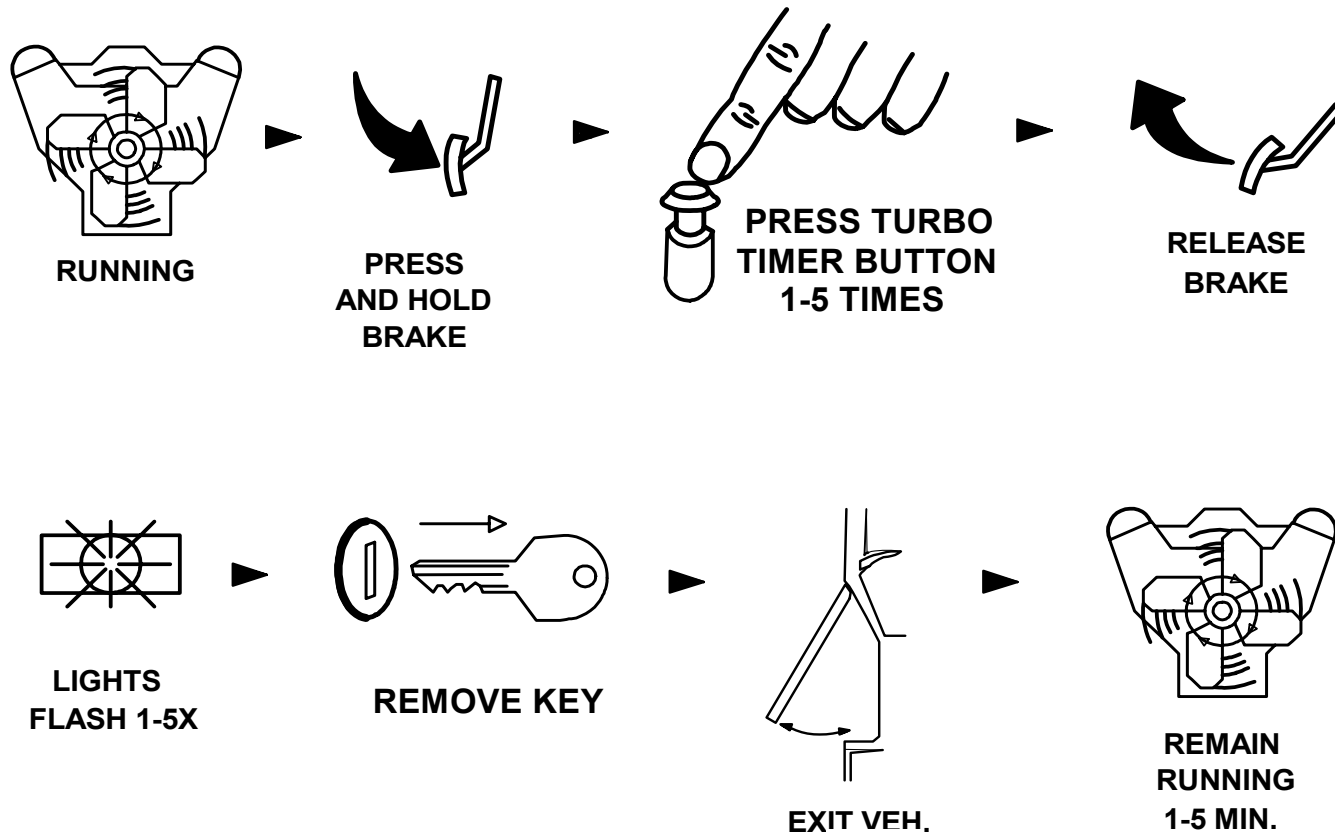
To reset the timed self-start mode, start the vehicle using the key or the manually with the remote control

## OPTIONAL TURBO TIMER MODE

### OPTIONAL TURBO TIMER MODE:

**IMPORTANT NOTE:** This mode requires the use of an extra part called a momentary switch or button that is not included with the kit. Check with your installer about adding this feature. The optional Turbo Timer mode allows the your system to keep your vehicle running for 1 to 5 minutes [selectively] after you remove the key, exit the vehicle, and lock the doors remotely [if you own a Turbo or Turbo Diesel]. This is handy for turbo cool down without the need for expensive Turbo Timers.

- 1) Engine should be running with the key. Press and hold the brake pedal.
- 2) Press your "Turbo Timer" button 1 to 5 times for each minute of run time you desire. (1 press = 1 min.)
- 3) Release the brake pedal and your system will confirm by flashing the lights the same number of times the button was pressed.
- 4) Turn Ignition switch OFF, remove key and exit the vehicle. Remote lock your doors for safety. The engine should remain running for the selected number of minutes.



# ANTI CARJACK PROTECTION

## REMOTE OPERATED CARJACK PROTECTION

This feature provides Active Carjack protection through the remote control. When the Ignition is on (vehicle is running), press and hold the #1 LOCK Button and #3 TRUNK Button for 2 seconds. The parking lights will flash 2 times and the LED will begin to flash rapidly to confirm the beginning of a Carjack countdown. 30 Seconds later, the unit will begin a Carjack Cycle consisting of 20 seconds of pre-warning chirps turning into a full system activation with siren / flashing light pulses for up to 5 min. If the Ignition is turned off during a Carjack trigger the siren and lights stop but Carjack protection is still active. The Siren and Lights will resume if the Carjacker tries to turn the Ignition back ON. TO RESET: Press Button #2 (UNLOCK) on the remote and the siren will chirp once, or turn the key on and press and hold the override button for at least 5 seconds.

## SWITCH-CONTROLLED & FULL TIME CARJACK (PINK WIRE CONFIGURATION)

This feature can provide Passive or Manual control Carjack protection depending on the configuration of the Pink Carjack wire of the alarm system. The system must be programmed for the Pink wire to be used as a Carjack trigger with programming option #8. Once programmed for the Pink wire for use as a Carjack trigger, it can be configured in different ways to provide different levels of protection. It can be connected to a hidden +12V toggle/momentary switch or to +12V Ignition Power. Read following sections for further descriptions.

### HIDDEN SWITCH-CONTROLLED CARJACK:

This configuration will enable the vehicle owner to activate a Carjack countdown by pressing a hidden push-button (not included with kit) during a Carjack situation. A Carjack countdown will begin under the following conditions: Ignition is ON (vehicle is running), the push-button is pressed, and the door opens/closes. Upon these 3 events, in that order, the alarm will start a Carjack countdown. After a delay of one minute, the system will begin chirping for 20 seconds then trigger into a full cycle for up to 5 minutes. To reset this Carjack mode, Ignition must be ON then press and hold the override/valet button for 5 seconds (until LED goes out.)

### FULL-TIME [Permanent] CARJACK:

We recommend that this configuration only be used if a serious threat of Carjack exists during everyday situations. When the Ignition is on (vehicle is running), anytime a door is opened the Carjack countdown sequence will be initiated. There will be 2 light flashes and the LED will change from solid to quick pulsing as confirmation of a countdown sequence. To reset FULL TIME Carjack, the Ignition has to be ON, then press and hold the override/program button 5 seconds until LED stops pulsing. The LED will be on SOLID when in this mode anytime the Ignition is ON (or while driving) as a reminder that Carjack is waiting for a door to open.

## LED DIAGNOSTICS

The CS-2016FM system includes disarm diagnostics, through the RED LED light, that will help in determining what caused the last trigger of the alarm system. This is a valuable tool in determining how the vehicle was tampered with or if there is a false alarm problem in which case you can make the necessary adjustments to correct the problem. When the system is disarmed with the remote you will hear the normal 2 chirps, then 4 quick chirps that indicate the alarm was triggered while you were away. Check the LED light for a sequence of flashes:

**Shock Sensor = 1 Flash    Door = 2 Flashes    Hood/Trunk = 3 Flashes    Ignition = 4 Flashes**

Diagnostics will reset when the Ignition is turned on or when the system is re-armed.

## TRANSCIVER / REMOTE CONTROL PROGRAMMING

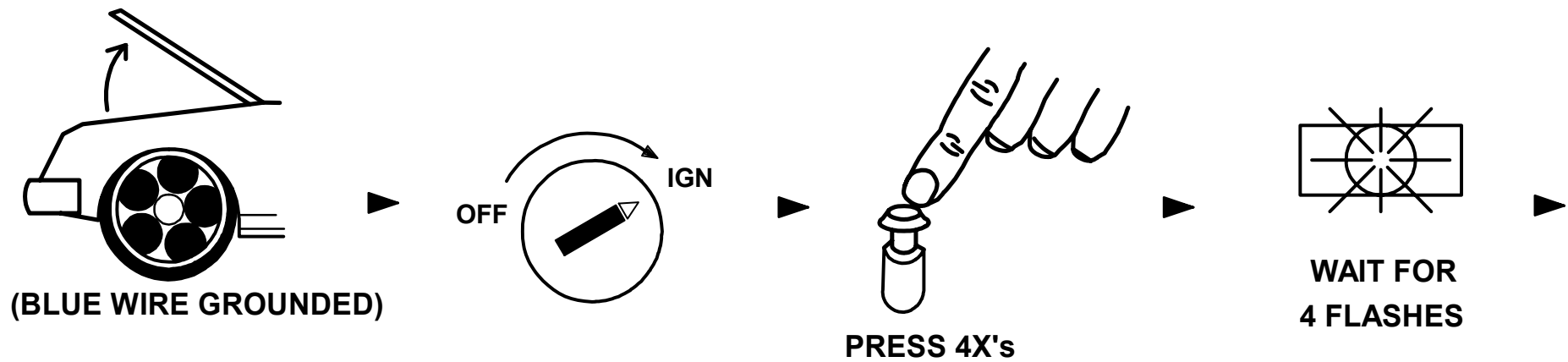
***Note: All transmitter codes must be learned at time of programming!! Up to 4 different transmitter codes can be stored in the memory of the system.***

1. Open Hood (Ground the Blue wire if no hood pin is installed.)
2. Turn key to the ON position.
3. Press Programming button 4 times, then after a few seconds the unit will flash the parking lights 4 times.
4. Press buttons #1 (Lock) & #2 (Unlock) together at the same time of each transceiver to be learned. You should get 2 light flashes indication the unit is waiting for a 2<sup>nd</sup> code, then press button #1 & #2 of a second transmitter or transceiver, the unit will flash 3 times indicating its waiting for the 3<sup>rd</sup> code and lights will flash 4 times for 4<sup>th</sup> code. If all 4 codes are learned, the unit will automatically exit code learning mode, otherwise turn key off and close hood.

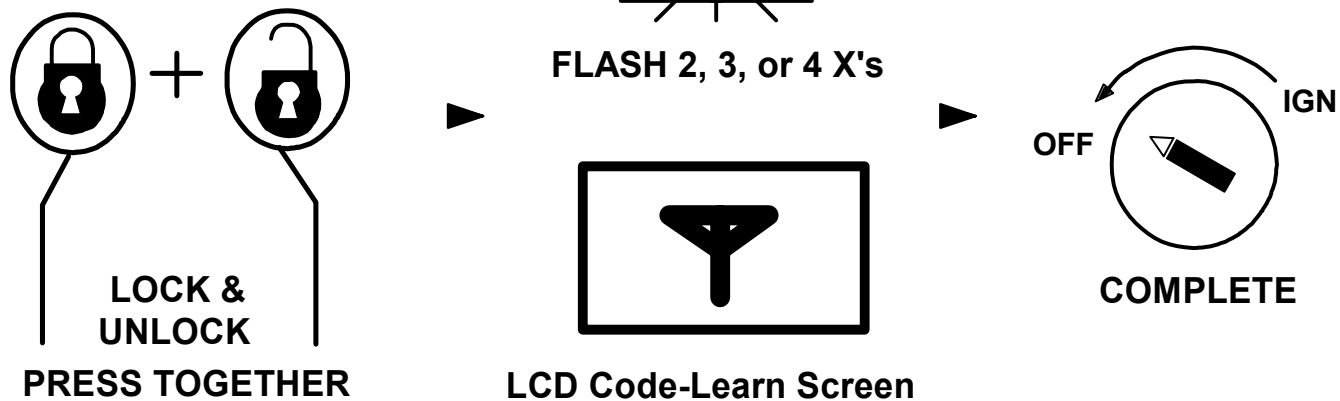
***NOTE: When learning 2-Way FM remotes wait for the LCD to confirm with a beep and the antenna ICON on the LCD screen BEFORE learning the next remote.***

**SEE DIAGRAM ON NEXT PAGE**

# TRANSCIVER / REMOTE CONTROL PROGRAMMING



## 2-WAY SYSTEMS & "SideKick" REMOTES





## 2 VEHICLE OPERATION

### 2 VEHICLE CONTROL

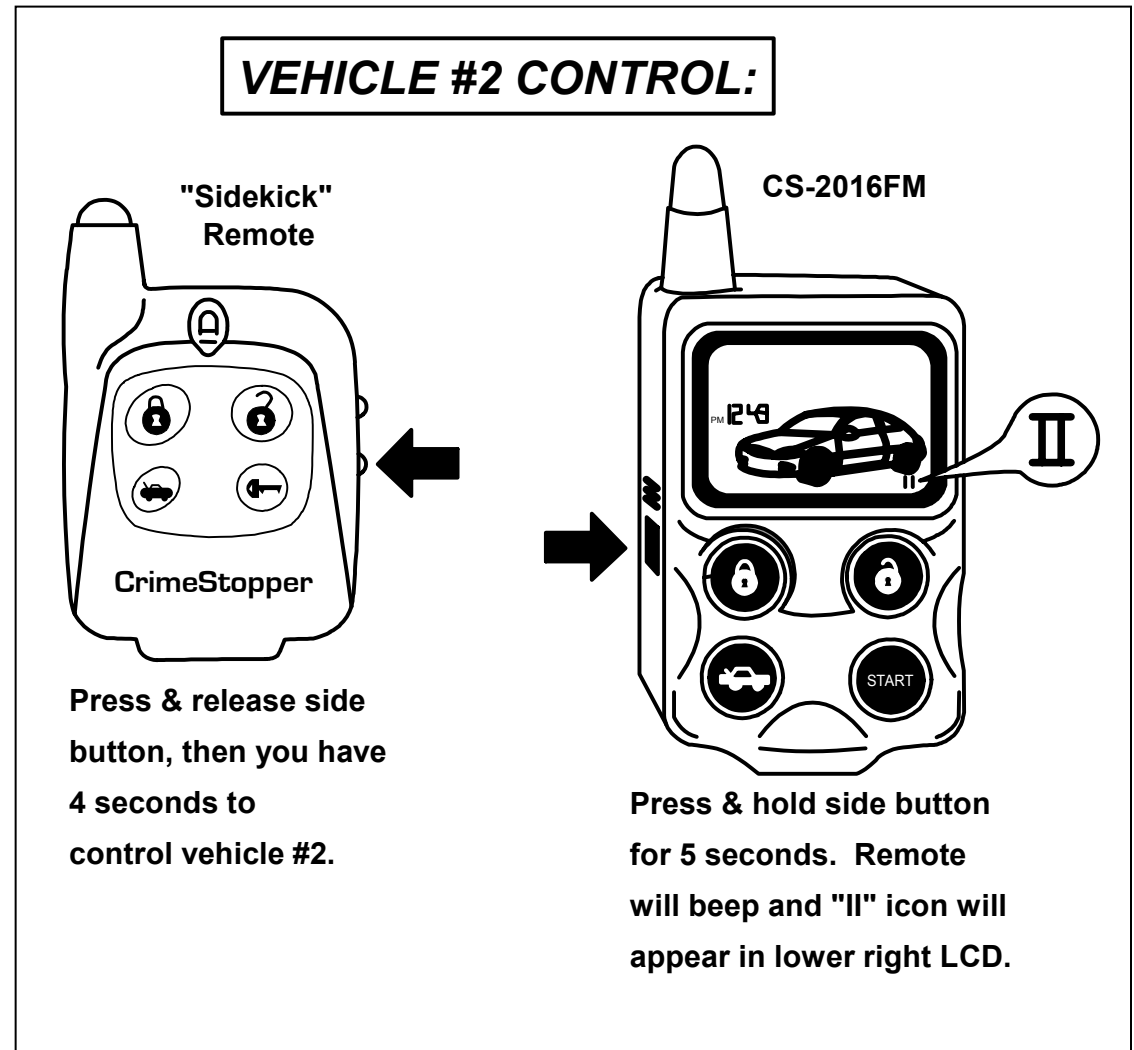
Your CS-2016FM remotes have the ability to control a second vehicle with a Crimestopper CS-2016FM or older CS-2015FM system installed. See diagram below on how to switch your remote(s) to vehicle #2 operation.

To set up the 2-Vehicle operation you must first program your remotes to Vehicle #2. Follow the "Transmitter Programming" steps (Pg. 13) at the second vehicle and learn YOUR remote, along with vehicle #2's existing remotes.

#### 2-VEHICLE OPERATION NOTES:

(1) You do not have to switch between Vehicle I and II to get pages from each vehicle. Your remote pager will receive pages from both cars regardless of which vehicle the pager is set to. The "I" or "II" icon will always display with each page indicate which vehicle the page originated from.

(2) When programming CS-2016FM systems, all remote/pagers and sidekick remotes for that vehicle must be learned at the time of programming. When you program your remote at the second vehicle, that vehicle's original remote must also be programmed. Your remote should be set in Vehicle II and the vehicle's original remote should be set in Vehicle I.



## **TROUBLESHOOTING FAQ's: "BEFORE YOU CALL SECTION"**

***Before calling your dealer or Crimestopper, read the following section for tips that may remedy or explain your problem.***

### ***RANGE QUESTIONS (2-Way Pager/Remote):***

Your CS-2016FM system uses FM High-Frequency signals to send/receive data between the pager and the vehicle and from the vehicle to the remote for state-of-the-art operation.

- 1) Under normal operation, the distance from the vehicle-paging-the-remote will be greater than that from the remote-to-the-vehicle. This is due to power supplies. The main control module (brain) in the vehicle is connected to the electrical wiring receiving power from the vehicle battery, whereas the remote/pager is operating from the AAA 1.5V alkaline battery. This is a normal feature for an FM 2-Way paging system.
- 2) Your system is designed to always operate with maximum efficiency, however range may be affected by the following circumstances: Physical Distance, Obstructions, and RF/Electronic Interference. (On US/Domestic systems, power output is limited by FCC Regulations/Specifications.)
- 3) This CS-2016FM system does NOT use "Paging" or "Cellular" antenna service. There are no monthly fees associated with its operation. The CS-2016FM unit in the vehicle sends a paging signal directly to your pager/remote from its own antenna mounted inside the vehicle.

### ***MY IN-DASH LED FLICKERS WHEN PRESSING REMOTE CONTROL BUTTONS:***

This is normal operation. There may be a slight flicker visible from the LED when pressing the remote as the system is authorizing/processing the code sent from the remote control. There is nothing wrong with your system.

### ***MY SYSTEM FLASHES THE LIGHTS ONCE AND WILL NOT ATTEMPT A REMOTE START (2 parts):***

- 1) The system is possibly in valet mode. Check the status of the RED LED light. If it is on solid, then the unit is in VALET MODE and will NOT remote start when in Valet mode. This is to protect the system from unauthorized engine starting when your vehicle serviced or valet parked. TO EXIT VALET MODE: Turn Ignition ON, and press the valet button for about 5 seconds until LED goes out. See the Valet part of the operating instructions for more information.
- 2) The unit senses a possible wiring fault at the Brake or the Hood is OPEN (Blue wire grounded). This is a safety feature of the unit. Check installation for faults and make sure hood is closed and verify brake input connection. The LCD will also not confirm back a signal of a remote start request when this occurs.

## TROUBLESHOOTING continued

### ***WHEN ARMING AND DISARMING MY ALARM HAS IRREGULAR “LONG” SIREN CHIRPS:***

This is an audible warning that the battery in the LCD pager remote is low. Replace the AAA battery in the pager and your chirps will return to normal.

### ***SYSTEM IS NOT SUCCESSFUL AT REMOTE STARTING DURING EXTREME COLD CONDITIONS:***

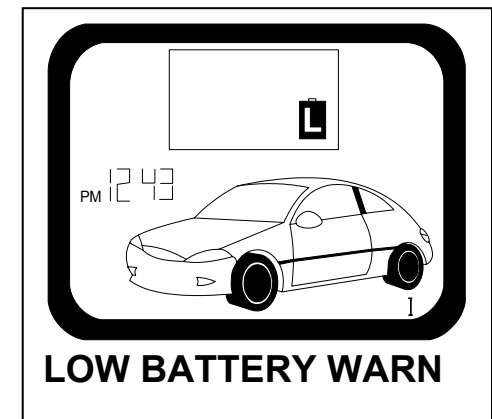
Please be aware that during sub-freezing conditions your remote starter may take more than one attempt to start, or it may not successfully start the vehicle after 3 attempts. During these conditions the vehicle may not properly start even using the key, therefore trying to start the vehicle by remote would also be unsuccessful.

### ***MY SYSTEM DOES NOT RESPOND TO THE REMOTE CONTROL (4 Parts):***

- 1) You may be out of range of your vehicle. Move closer and attempt again.
- 2) Check for proper power/ground wiring connections of the alarm.
- 3) Check Antenna Module connection. The antenna included with this system must be plugged in to send/receive signals. Antenna Module gets voltage from the control module.
- 4) The Remote/Pager may need a new battery or need to be reprogrammed to operate the system. See “2-Way FM Transceiver programming” for more information.

## LOW BATTERY WARNING - LCD REMOTE

Your 2-Way pager remote will warn you when the battery gets low. You will see a battery “L” icon on the LCD screen when it is time to replace the AAA battery. You may also hear irregular “long” siren chirps when arming and disarming your system. To replace the battery, simply unlatch and slide open the battery door on the back of the 2-Way LCD remote. Carefully insert a new battery, using the outline on the bottom of the battery compartment as a guide. Your remote will beep once if the battery was inserted correctly.



## SETTING THE CLOCK (2-WAY- LCD REMOTE)

1. Press and hold all 4 buttons of remote control for approximately 3 seconds until remote beeps.
2. The minute display will begin flashing. Use the lock and unlock button to change the minute up or down to the correct time and then press button #3 (Trunk) to set the minute value.
3. The hour display should begin flashing. Use the lock and unlock button to change the hour up or down to the correct am or pm hour.
4. Once the correct time is displayed, wait 6 seconds, the remote will beep twice and the time of day is set.



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